



Application for a Water Right Permit

For Ecology Use
(Date Stamp)

Follow the attached instructions. Attach additional sheets as necessary.

- ☒ GROUND WATER ☐ SURFACE WATER
☐ PERMANENT ☐ SHORT TERM ☒ TEMPORARY
☐ DROUGHT

*A NON-REFUNDABLE MINIMUM FEE OF \$50.00 MUST ACCOMPANY THIS APPLICATION.

Section 1. APPLICANT

☐ I have participated in a pre-application conference with Ecology.

Applicant/Business Name: Oroville School District Attention Steve Quick	Phone No: 509-476-2281	Other No:
Address: 816 Juniper Street		
City: Oroville	State: WA	Zip: 98844+9373
Email Address (if available):		

Contact Name (if different from above): Michael O'Conner	Phone No: 206-523-5640	Cell No: 206-200-4975
Relationship to Applicant: Engineering Consultant		
Address: 222 Williams Ave S, #100		
City: Burien	State: WA	Zip: 98057
Email Address (if available): moconnor@ameresco.com		

Legal Land Owner or Part Owner Name of the Proposed Place of Use: Oroville School District	Phone No: Same	Other No:
Address: same		
City:	State:	Zip:
Email Address (if available):		

For Ecology Use	APPLICATION NO: <u>G4-33053</u>	SEPA: Exempt/Not Exempt
	Fee Paid: <u>\$50.00</u>	Check No: _____ ECY Coding: 001-001-WR1-0285-000011
Date Returned _____	By _____	Priority Date <u>02-21-2012</u> By _____
WRIA: <u>49-Okanogan</u>		
Pre-application interviewer: _____		

Section 2. STATEMENT OF INTENT

Do you own the land on which the proposed point of diversion/withdrawal is located? ☒ YES ☐ NO
If no, do you have legal authority to make this application for use of another's land? ☐ YES ☐ NO

Briefly describe the purpose of your proposed project: Install a groundwater heat pump system for use at Oroville Elementary School.

Anticipated length of time to complete your project: 2 years

Water Use List all purposes for which water will be applied to a beneficial use and list quantity required for each.

Purpose(s) of Use	Rate (check one box only)		Acre-Feet per Year (AF/YR) (If known)	Period of Use (Continuously or Seasonal)
	<input type="checkbox"/> Cubic Feet per Second (CFS)	<input checked="" type="checkbox"/> Gallons per Minute (GPM)		
Heating and Cooling	210		Non-Consumptive	Continuously
TOTAL:	210		tbd	

Short Term/Temporary Water Use

Is this a request for a short term project (less than four months and non-recurring)? ☐ YES ☒ NO

Is this request for a temporary permit? ☒ YES ☐ NO

If yes to either question above, indicate the dates that the water will be needed:

FROM: 1/1/2012 TO: 1/1/2019

Section 3. POINT OF DIVERSION OR WITHDRAWAL

(Complete A or B, and C below)

A.) If Surface Water Source	B.) If Ground Water Source
<input type="checkbox"/> Spring <input type="checkbox"/> Creek <input type="checkbox"/> River <input type="checkbox"/> Lake <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Well(s) <input type="checkbox"/> Other: _____
Source Name: _____	Well diameter & depth: <u>proposed wells will be approximately 50 feet deep</u>
Tributary to: _____	Number of proposed points of withdrawal: <u>4 wells, (two extraction and two injection)</u>
Number of proposed diversion points: _____	Do you have an existing well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Do you have an existing diversion? <input type="checkbox"/> YES <input type="checkbox"/> NO	If available, attach Water Well Report and pump test.
	Well Tag ID No. _____

C.) Point of Diversion/Withdrawal – Legal Description

Parcel No.	¼	¼	Section	Township	Range	County
2040720000	SW	SE	28	40	27	Okanogan
Lot(s)	Block(s)		Subdivision			

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:

390 Feet (☒ North) and 2020 feet (☒ West) from the (☒SE) corner of Section 28.

Parcel No.	¼	¼	Section	Township	Range	County
2040720000	SW	SE	28	40	27	Okanogan
Lot(s)	Block(s)		Subdivision			

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:

600 feet (☒ North) and 2070 feet (☒ West) from the (☒SE) corner of Section 28

Parcel No.	¼	¼	Section	Township	Range	County
2040680000	SW	SE	28	40	27	Okanogan
Lot(s)	Block(s)		Subdivision			

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:

1040 feet (☒ North) and 1960 feet (☒ West) from the (☒SE) corner of Section 28

Section 4. PLACE OF USE

Attach a copy of the legal description of the property (on which the water will be used) taken from a real estate contract, property deed or title insurance policy, or copy it carefully in the space below.

Block 72 Addition to the City of Oroville, Section 28, Township 40, Range 27, Okanogan County

¼	¼	Section	Twp.	Range	County	Parcel No.
	SE	28	40	27	Okanogan	2040720000

Do you own all the lands on which the proposed place of use is located? ☒ YES ☐ NO.

If no, do you have legal authority to make this application for use of another's land? ☐ YES ☐ NO

Provide owner name(s), address, and phone number: _____

Are there any other water rights or claims associated with this property or water system? ☐ YES ☒ NO

If yes, provide the water right and/or claim numbers: pending application for water right G4-35014

Attach a map of your project showing the point of diversion/withdrawal and place of use. If platted property, be sure to include a complete copy of the plat map.

Section 5. WATER SYSTEM DESCRIPTION

Describe your proposed water system (include type and size of devices used to divert or withdraw water from source): The groundwater heat-pump system consists of two wells, water piping, and heat exchangers. Water is pumped from a shallow well (extraction well) at rates up to 190 gpm, run through heat exchangers, and returned to the same aquifer through another shallow well (injection well). The current extraction well is 33 feet deep. The injection well was dug (date unknown) and cased with large-diameter concrete-tile pipe. The system is non-consumptive with all water being returned to the aquifer. The District is currently experiencing problems with the operation of the system and wishes to construct at least new well with the intent of monitoring changes in water level and temperature and eventually using it as a new extraction or injection well. If needed, a 4th well may be constructed near one of the above listed sites.

Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION

(Complete A or B, and C below)

A.) Domestic Water Systems only	B.) Municipal Water Systems only (defined under RCW 90.03.015)
Projected number of connections to be served: N/A	Present population to be served water: N/A
Type of connections: _____ (e.g., home, recreational cabin)	Estimate future population to be served: _____ (20 year projection)
C.) Water System Planning	
Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
If yes, date plan was approved ____/____/____ Water System Number: _____	
Name of water system: _____	
Are you within the service area of an existing water system? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, explain why you are unable to connect to the system: <u>Potable water is provided by City of Oroville municipal system</u>	

Section 7. IRRIGATION/STOCKWATER/OTHER FARM USES

Irrigation

Total number of acres requested to be irrigated under this application = NA ACRES

NOTE: Outline the area to be irrigated on your attached map.

Stockwater

List number and kind of stock: NA

Is the proposed project for a dairy farm? ☐ YES ☐ NO

Other Proposed Farm Uses

Describe all proposed uses: NA

Family Farm Water Act (RCW 90.66):

Calculate the acreage in which you have a controlling interest, including only:

- Acreage irrigated under water rights acquired after December 8, 1977,
- Acreage proposed to be irrigated under this application, and
- Acreage proposed to be irrigated under other pending application(s).

Is the combined acreage under existing rights greater than 6000 acres? ☐ YES ☐ NO

Do you have a controlling interest in a Family Farm Development Permit? ☐ YES ☐ NO

If yes, enter Permit No: _____

Section 8. OTHER WATER USES

Hydropower

Indicate total feet of head _____ and proposed capacity in kilowatts: _____

Describe works: _____

Indicate all uses to which power is to be applied: _____

FERC License No: _____

Mining/Industrial Use

Describe use, method of supplying and utilizing water: _____

Other Use

Section 9. WATER STORAGE

Will you be using a dam, dike, or other structure to retain or store water? ☐ YES ☒ NO

Are you proposing to store more than 10 acre-feet of water? ☐ YES ☐ NO

Will the water depth be 10 feet or more? ☐ YES ☐ NO

If you answered yes to any of the above questions, please describe: _____

NOTE: If you will be storing 10 acre-feet or more of water and/or if the water depth will be 10 feet or more at the deepest point and some portion of the storage will be above grade, you must also complete an Application for Permit to Construct a Reservoir and a Dam Construction Permit and Application.

Section 10. DRIVING DIRECTIONS

Provide detailed driving directions to the project site: From Wenatchee, take US Hwy 97 North to Oroville,
approximately 132 miles from Wenatchee. Turn sharp left onto Fir Street, then right onto 8th Avenue, and left onto
Main Street.

Site Address: 808 Main Street

Section 11. REQUIRED SIGNATURES

I certify that the information provided in this application is true and accurate to the best of my knowledge. I understand that in order to process my application, I grant staff from the Department of Ecology access to the site for inspection and monitoring purposes. Even though the employees of the Department of Ecology may have assisted me in the preparation of the above application, all responsibility for the accuracy of the information rests with me, the applicant.

Michael J. O'Connor

[Signature]

2/17/12

Print Name
(Applicant or authorized representative)

Signature

Date

Steve Quick

[Signature]

2/17/12

Print Name
(Legal Owner or Part Owner Place of Use)

Signature

Date

Print Name
(Legal Owner or Part Owner Place of Use)

Signature

Date

Please check the region in which the project is located:

<p>*Submit your application to:</p> <p>DEPARTMENT OF ECOLOGY CASHIERING SECTION PO BOX 47611 OLYMPIA, WA 98504-7611</p>	<input checked="" type="checkbox"/> Central Regional Office 15 W Yakima Avenue, Suite 200 Yakima, WA 98902 (509) 575-2490	<input type="checkbox"/> Eastern Regional Office 4601 N. Monroe Spokane, WA 99205-1295 (509) 329-3400
	<input type="checkbox"/> Northwest Regional Office 3190 - 160 th Avenue SE Bellevue, WA 98008-5452 (425) 649-7000	<input type="checkbox"/> Southwest Regional Office PO Box 47775 Olympia, WA 98504-7775 (360) 407-6300

ECY 040-1-14 (Rev. 7-26-11) If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

If you have questions about your application, contact the Water Resources program at the regional office in which your project is located.

